

What is claimed is:

1. A non-fixing type image receiving sheet to which toner particles are made adhere in a removable manner, in which

a large number of concave portions accepting toner particles and a large number of convex portions protecting toner particles are formed on a surface of the image receiving sheet, and

a sectional structure of the image receiving sheet is composed of a multilayer structure which includes at least a sheet surface layer having the above concave portions and convex portions and a sheet core layer.

2. A non-fixing type image receiving sheet as set forth in claim 1, in which volume resistivities of respective layers are different each other.

3. A non-fixing type image receiving sheet as set forth in claim 2, in which a volume resistivity of the sheet surface layer is larger than a volume resistivity of the sheet core layer.

4. A non-fixing type image receiving sheet as set forth in claim 3, in which a volume resistivity of the sheet surface layer is set to 10^{12} Ω .cm or larger and a volume resistivity of the sheet core layer is set to 10^4 Ω .cm or larger and to 10^{10} Ω .cm or smaller.

5. A non-fixing type image receiving sheet as set forth in claim 1, 2, 3 or 4, in which the concave portion forming the above uneven surface is formed into a grooved shape and the convex portion is formed into a convex stripe extending along the grooved concave portion.

6. A non-fixing type image receiving sheet to which toner particles

are made adhere in a removable manner, in which

a large number of concave portions accepting toner particles and a large number of convex portions protecting toner particles are formed on a surface of the image receiving sheet, and

a center line average roughness Ra of the surface of the image receiving sheet is set to 0.2 μm or larger and to 1.0 μm or smaller.

7. A non-fixing type image receiving sheet as set forth in claim 6, in which the concave portion composing the above uneven surface is formed into a grooved shape, and the convex portion is formed into a ridged-shape convex stripe extending along the grooved-shape concave portion.

8. A non-fixing type image receiving sheet to which toner particles are made adhere in a removable manner, in which

a large number of concave portions accepting toner particles and a large number of convex portions protecting toner particles are formed on a surface of the image receiving sheet, and

the surface of the image receiving sheet forming the concave portion and convex portion is made of high-molecular compound including fine particles of metal oxide.

9. A non-fixing type image receiving sheet as set forth in claim 8, in which a content of the fine particles of metal oxide is set to 0.1 g through 2 g per square meter of the image receiving sheet.

10. A non-fixing type image receiving sheet as set forth in claim 8 or 9, in which fine particles of zinc oxide, titanium oxide or alumina are contained for use as the fine particles of metal oxide.

11. A non-fixing type image receiving sheet as set forth in claim 8 or 9, in which fine particles of calcium carbonate or silica are contained in place of the metal oxide.

12. An image forming method for a non-fixing type image receiving sheet to which toner particles are made adhere in a removable manner, in which

a large number of concave portions accepting toner particles and a large number of convex portions protecting toner particles are formed on a surface of the image receiving sheet, and

the surface of the image receiving sheet is charged to a polarity opposite to a charged polarity of toner particles for serving as a pre-process, in advance of transferring a toner image to the image receiving sheet.

13. An image forming apparatus for a non-fixing type image receiving sheet to which toner particles are made adhere in a removable manner, in which

a large number of concave portions accepting toner particles and a large number of convex portions protecting toner particles are formed on a surface of the image receiving sheet, and there are installed two apparatuses:

a transferring apparatus which transfers a toner image to the surface of image receiving sheet, and

a sheet charging apparatus which charges the surface of the image receiving sheet to a polarity opposite to a charged polarity of toner particles, in advance of a transferring process carried out by the

